

Patent Abstracts of Japan

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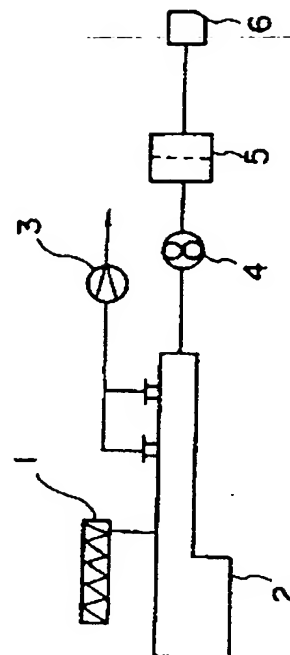
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TITLE : EXTRUSION MOLDING OF  
THERMOPLASTIC RESIN



ABSTRACT : PURPOSE: To stabilize an extrusion rate by melting scrap film composed of a thermoplastic resin and extruding the same into a mold by using a vent-type twin-screw extruder so as to be molded into the form of chips in the title method for extruding and molding scrap film generated during the process of producing a film.

CONSTITUTION: Scrap film generated during the process of producing a thermoplastic resin film is crushed and supplied at a constant rate from a constant-volume feeder 1 to a vent-type twin-screw extruder 2. This vent-type twin-screw extruder 2 is constituted of a twin-screw extruder rotating in the same direction and is connected to a vacuum pump 3 by which the resin is deaerated while melted and extruded. The resin whose pressure is increased by a booster pump 4 passes through a filter 5 and a mold 6 to be molded into the form of chips. According to this constitution, the stable extrusion and molding can be carried out.

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